

INTERNATIONAL SEARCH REPORT

International Application No
PCT, 2004/000822A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C12N15/82 A01N65/00 C07K16/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A01N C07K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, BIOSIS, WPI Data, Sequence Search

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 033 405 A (CERES INC) 6 September 2000 (2000-09-06) SEQ ID NOS::49380-49382 -----	1-18,24, 26
Y	UNKNOWN: "Western blotting - Immuno-detection of epitope-tagged transgene protein"[Online] 1 July 2003 (2003-07-01), XP002288352 Retrieved from the Internet: URL:http://web.archive.org/web/20030701014 910/biobase.dk/~mundy/bk3western03.pdf> the whole document ----- -/--	1-18, 23-26

☒ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 March 2005

Date of mailing of the international search report

12.07.2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Maddox, A

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

Internat. Application No
PCT/DK04/000822

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>INNES ROGER W: "Mapping out the roles of MAP kinases in plant defense" TRENDS IN PLANT SCIENCE, vol. 6, no. 9, September 2001 (2001-09), pages 392-394, XP002288353 ISSN: 1360-1385 the whole document</p> <p>-----</p>	1-18, 23-26
A	<p>WO 01/41556 A (JENSEN ANDERS BOEGH ; BRODERSEN PETER (DK); KOEBENHAVNS UNI (DK); MUND) 14 June 2001 (2001-06-14) the whole document</p> <p>-----</p>	1-18, 23-26
A	<p>TANG DINGZHONG ET AL: "Overexpression of a kinase-deficient form of the EDRI gene enhances powdery mildew resistance and ethylene-induced senescence in Arabidopsis." PLANT JOURNAL, vol. 32, no. 6, December 2002 (2002-12), pages 975-983, XP002288351 ISSN: 0960-7412 abstract</p> <p>-----</p>	1-18, 23-26
A	<p>MORTEN PETERSEN ET AL: "Arabidopsis MAP Kinase 4 Negatively Regulates Systemic Acquired Resistance" CELL, CELL PRESS, CAMBRIDGE, NA, US, vol. 103, December 2000 (2000-12), pages 1111-1120, XP002937790 ISSN: 0092-8674 the whole document</p> <p>-----</p>	1-18, 23-26
A	<p>ICHIMURA KAZUYA ET AL: "Mitogen-activated protein kinase cascades in plants: A new nomenclature" TRENDS IN PLANT SCIENCE, vol. 7, no. 7, July 2002 (2002-07), pages 301-308, XP002288354 ISSN: 1360-1385 the whole document</p> <p>-----</p>	1-18, 23-26

INTERNATIONAL SEARCH REPORT

Int. al application No.
PCT/DK2004/000822

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-18, 23-26

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-18,23-26

Transgenic plants comprising a nucleic acid encoding a MAP kinase substrate 1 (MKS1) represented by the sequences defined in the claims and methods for producing the plants.

2. claims: 19-22

Method for the detection of MKS1 polypeptide - reacting an anti-MKS1 antibody with a protein extract from a plant.
Anti-MKS1 antibody - polyclonal and monoclonal.

INTERNATIONAL SEARCH REPORT

tion on patent family members

Internat' Application No

PCT, 004/000822

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
EP 1033405	A	06-09-2000	CA 2300692 A1	25-08-2000
			EP 1033405 A2	06-09-2000

WO 0141556	A	14-06-2001	AU 1851401 A	18-06-2001
			WO 0141556 A1	14-06-2001
			EP 1237403 A1	11-09-2002
			US 2004172685 A1	02-09-2004

BEST AVAILABLE COPY